



Application Project

<120> Title : Regulatory protein from human keratinocytes  
<130> AppFileReference : KM1/PCT  
<140> CurrentAppNumber : 09/787,559  
<141> CurrentFilingDate : 2001-06-18

Earlier Applications

<150> PriorAppNumber : DE 198 42 863  
<151> PriorFilingDate : 1998-09-19

#13/C seq.

Sequence

<213> OrganismName : Homo sapiens

<400> PreSequenceString :

ggcaccagg tggcgcgga gccatggta tcatgtcga gttcagcgcg gaccccgcg  
g 60  
gccagagtca gggccagcag aagcccctcc ggggtgggttt ttacgacatc gagcggacc  
c 120  
tgggcaaagg caacttcgcg gtggtgaagc tggcgcgga tcgagtcacc aaaacgcag  
g 180  
tcgcaataaa aataattgat aaaacacgat tagattcaag caatttggag aaaatctat  
c 240  
gtgaggttca gctgatgaag cttctgaacc atccacacat cataaagctt taccaggtt  
a 300  
tggaacaaa ggacatgctt tacatcgtca ctgaatttgc taaaaatgga gaaatgttt  
g 360  
attatttgac ttccaacggg cacctgagtg agaacgaggc gcggaagaag ttctggcaa  
a 420  
tcctgtcggc cgtggagtac tgtcacgacc atcacatcgt ccaccgggac ctcaagacc  
g 480  
agaacctct gctggatggc aacatggaca tcaagctggc agattttgga tttgggaat  
t 540  
tctacaagtc aggagagcct ctgtccacgt ggtgtgggag cccccgtat gccgccccg  
g 600  
aagtctttga ggggaaggag tatgaaggcc ccagctgga catctggagc ctgggcgtg  
g 660  
tgctgtacgt cctggtctgc ggttctctcc ccttcgatgg gcctaacctg ccgacgctg  
a 720  
gacagcgggt gctggagggc cgcttccgca tccccttctt catgtctcaa gactgtgag  
a 780  
gcctgatccg ccgcatgctg gtggtggacc ccgccaggcg catcaccatc gccagatc  
c 840  
ggcagcaccg gtggatgcgg gctgagccct gcttgccggg acccgctgc cccgccttc  
t 900  
ccgcacacag ctacacctcc aacctgggcg actacgatga gcaggcgctg ggtatcatg  
c 960  
agaccctggg cgtggaccgg cagaggacgg tggagtcact gcaaaacagc agctataac  
c 1020

Sub  
D  
RE

```

actttgctgc catttattac ctctccttg agcgggtcaa ggagtatcgg aatgcccag
t      1080
gcgcccgcgc cgggcctgcc aggcagccgc ggcctcggag ctcggaacctc agtggtttg
g      1140
aggtgcctca ggaaggtctt tccaccgacc ctttccgacc tgccttgctg tgcccgcag
c      1200
cgcagacctt ggtgcagtcc gtcctccagg ccgagatgga ctgtgagctc cagagctcg
c      1260
tgcagtggcc cttgtttctt ccggtggatg ccagctgcag cggagtgttc cggccccgg
c      1320
ccgtgtcccc aagcagcctg ctggacacag ccatcagtga ggaggccagg cagggggccg
g      1380
gcctagagga ggagcaggac acgcaggagt ccctgcccag cagcacgggc cggaggcac
a      1440
ccctggccga ggtctccacc cgcctctccc cactcaccgc gccatgtata gtcgtctcc
c      1500
cctccaccac ggcaagtcct gcagagggaa ccagctctga cagttgtctg accttctct
g      1560
cgagcaaaag ccccgcgggg ctcaagtggca ccccggccac tcaggggctg ctgggcgcc
t      1620
gctccccggt caggctggcc tcgcccttcc tggggtcgca gtccgccacc ccagtgtctg
c      1680
aggctcaggg gggcttgga ggagctgttc tgctccctgt cagcttccag gagggacgg
c      1740
gggctcgga cacctcactg actcaagggc tgaaggcctt tcggcagcag ctgaggaag
a      1800
ccacgcggac caaagggttt ctgggactga acaaaatcaa ggggctggct cgccaggtg
t      1860
gccaggtccc tgccagccgg gccagcaggg gcggcctgag ccccttccac gccctgca
c      1920
agagcccagg cctgcacggc ggcgcagccg gcagccggga gggctggagc ctgctggag
g      1980
aggtgctaga gcagcagagg ctgctccagt tacagcacca cccggccgct gcacccggc
t      2040
gctcccaggc cccccagccg gccctgccc cgtttgtgat cggccctgt gatggccct
g      2100
gggctgcccc gctccccagc accctcctca cgtcggggct cccgctgctg ccgccccca
c      2160
tcttgagac cggcgcgtcc cccgtggcct cagcggcgca gtcctggac acacacctg
c      2220
acattggcac cggccccacc gccctccccg ctgtgcccc accacgcctg gccaggctg
g      2280
ccccaggttg tgagcccctg gggctgctgc agggggactg tgagatggag gacctgatg
c      2340
cctgctccct aggcacgttt gtcctggtgc agtgaggga gccctgcac ctggcacgg
a      2400
cactgactct tacagcaata acttcagagg aggtgaagac atctggcctc aaagccaag
a      2460
actttctaga agcgaaataa gcaatacgtt aggtgttttg gcgaaaaaaa aaaaaaaaa
a      2520

```

aaaaaaaaaa aaa  
2533

<212> Type : DNA

<211> Length : 2533

SequenceName : SEQ ID NO: 1

SequenceDescription :

#### Sequence

<213> OrganismName : Homo sapiens

<400> PreSequenceString :

HPGARGAMVI MSEFSADPAG QSQGQKPLR VGFYDIERTL GKGNFVVKL ARHRVTKTQ  
V 60  
AIKIIDKTRL DSSNLEKIYR EVQLMKLLNH PHIICKLYQVM ETKDMLYIVT EFAKNGEMF  
D 120  
YLTSNGHLSE NEARKKFWQI LSAVEYCHDH HIVHRDLKTE NLLLDGNMDI KLADFGFGN  
F 180  
YKSGEPLSTW CGSPPYAAPE VFEGKEYEGP QLDIWSLGVV LYVLVCGSLP FDGPNLPTL  
R 240  
QRVLEGRFRI PFFMSQDCES LIRRMLVVDP ARRITIAQIR QHRWMRAEPC LPGPACPAF  
S 300  
AHSYTSNLGD YDEQALGIMQ TLGVDRQRTV ESLQNSSYNH FAAIYYLLE RLKEYRNAQ  
C 360  
ARPGPARQPR PRSSDLGLE VPQEGSTDP FRPALLCPQP QTLVQSVLQA EMDCELQSS  
L 420  
QWPLFFPVDA SCSGVFRPRP VSPSSLLDTA ISEEARQGP LEEEQDTQES LPSSTGRRH  
T 480  
LAEVSTRISP LTAPCIVVSP STTASPAEGT SSDSCLTFSA SKSPAGLSGT PATQGLLGA  
C 540  
SPVRLASPFL GSQSATPVLQ AQGGLGGAVL LPVSFQEGRR ASDTSLTQGL KAFRQQLRK  
T 600  
TRTKGFLGLN KIKGLARQVC QVPASRASRG GLSPFHAPAQ SPGLHGGAAG SREGWSLLE  
E 660  
VLEQQRLQL QHHPAAAPGC SQAPQPAPAP FVIAPCDGPG AAPLPSTLLT SGLPLLPPP  
L 720  
LQTGASPVAS AAQLLDTHLH IGTGPTALPA VPPRLARLA PGCEPLGLLQ GDCMEDLM  
P 780  
CSLGTFVLVQ  
790

<212> Type : PRT

<211> Length : 790

SequenceName : SEQ ID NO: 2

SequenceDescription :

#### Sequence

<213> OrganismName : Homo sapiens

<400> PreSequenceString :

PEAAAAAAAA GAVGTRAAPA AERAASWPGR SGGGGGARGA MVIMSEFSAD PAGQSQGQQ  
K 60

```

SLRVGFYDIE RTLKGKNFAV VKLARHRVTK TQVAIKIIDK TRLDSSNLEK IYREVQLMK
L      120
LNHPHIKLY QVMETKDMLY IVTEFAKNGE MFDYLTSNGH LSENEARKKF WQILSAVEY
C      180
HDHHIVHRDL KTENLLLDGN MDIKLADFGF GNFYKSGEPL STWCGSPPYA APEVFEGKE
Y      240
EGPQLDIWSL GVVLYVLVCG SLPFDGPNLP TLRQRVLEGR FRIPFFMSQD CESLIRRML
V      300
VDPARRITIA QIRQHRWMRA EPCLPGPACP AFSAHSYTSN LGDYDEQALG IMQTLGVDR
Q      360
RTVESLQNSS YNHFAAIYYL LLERLKEYRN AQCARPGPAR QPRPRSSDLS GLEVPQEGL
S      420
TDPFRPALLC PQPQTLVQSV LQAEMDCELQ SSLQWPLFFP VDASCSGVFR PRPVSPSSL
L      480
DTAISEEARQ GPGLEEEQDT QESLPSSTGR RHTLAEVSTR LSPLTAPCIV VSPSTTASP
A      540
EGTSSDSCLT FSASKSPAGL SGTPATQGLL GACSPVRLAS PFLGSQSATP VLQAQGGLG
G      600
AVLLPVSFQE GRRASDTSLT QGLKAFRQQL RKTTRTKGFL GLNKKIKGLAR QVCQVPASR
A      660
SRGGLSPFHA PAQSPGLHGG AAGSREGWSL LEEVLEQQRL LQLQHHPAAA PGCSQAPQP
A      720
PAPFVIAPCD GPGAAPLPST LLTSGPLLLP PPLLQTGASP VASAAQLLDT HLHIGTGPT
A      780
LPAVPPRLA RLAPGCEPLG LLQGDCEMED LMPCSLGTFV LVQ
      823

```

<212> Type : PRT

<211> Length : 823

SequenceName : SEQ ID NO: 3

SequenceDescription :

# Sequence

-----

<213> OrganismName : Homo sapiens

<400> PreSequenceString :

```

ccccggaggc agcagcagcg gcggcggcag ccggagcagt aggcacccga gcagcgcca
g      60
cggccgagcg ggcggttcc tggcctgggc gctccggtgg cggcgaggt gcgcgcgga
g      120
ccatggttat catgtcggag ttcagcgcgg accccgcggg ccagagtcag ggccagcag
a      180
agtccctccg ggtgggtttt tacgacatcg agcggaccct gggcaaaggc aacttcgcg
g      240
tggtgaagct ggcgcgcat cgagtcacca aaacgcaggt tgcaataaaa ataattgat
a      300
aaacacgatt agattcaagc aatttgaga aaatctatcg tgagggttcag ctgatgaag
c      360
ttctgaacca tccacacatc ataaagcttt accaggttat ggaaacaaag gacatgctt
t      420
acatcgtcac tgaatttgct aaaaatggag aaatgtttga ttatttgact tccaacggg

```

```

c      480
acctgagtga gaacgaggcg cggaagaagt tctggcaaat cctgtcggcc gtggagtag
t      540
gtcacgacca tcacatcgtc caccgggacc tcaagaccga gaacctcctg ctggatggc
a      600
acatggacat caagctggca gatTTTtgat ttgggaattt ctacaagtca ggagagcct
c      660
tgtccacgtg gtgtgggagc ccccggtatg ccgccccgga agtctttgag ggggaaggag
t      720
atgaaggccc ccagctggac atctggagcc tgggCGtggt gctgtacgtc ctggtctgc
g      780
gttctctccc cttcgatggg cctaacctgc cgacgctgag acagcgggtg ctggagggc
c      840
gcttccgcat ccccttcttc atgtctcaag actgtgagag cctgatccgc cgcagtctg
g      900
tgggtggacc cgccaggcgc atcaccatcg cccagatccg gcagcaccgg tggatgcgg
g      960
ctgagccctg cttgccggga cccgcctgcc ccgccttctc cgcacacagc tacacctcc
a     1020
acctgggcga ctacgatgag caggcgctgg gtatcatgca gacctgggc gtggaccgg
c     1080
agaggacggt ggagtcactg caaaacagca gctataacca ctttgctgcc atttattac
c     1140
tcctccttga gcggctcaag gagtatcgga atgcccagtg cggccgcccc gggcctgcc
a     1200
ggcagccgcg gcctcggagc tcggacctca gtggtttgga ggtgcctcag gaaggtctt
t     1260
ccaccgacc cttccgacct gccttgctgt gcccgagcc gcagaccttg gtgcagtcc
g     1320
tcctccaggc cgagatggac tgtgagctcc agagctcgct gcagtggccc ttgttcttc
c     1380
cgggtgatgc cagctgcagc ggagtgttcc ggccccggcc cgtgtcccca agcagcctg
c     1440
tggaacacag catcagtgag gaggccaggc aggggcccgg cctagaggag gagcaggac
a     1500
cgcaggagtc cctgcccagc agcacgggcc ggaggcacac cctggccgag gtctccacc
c     1560
gcctctcccc actcaccgcg ccatgtatag tcgtctcccc ctccaccacg gcaagtcct
g     1620
cagagggaa cagctctgac agttgtctga ctttctctgc gagcaaaagc cccgcgggg
c     1680
tcagtggcac cccggccact caggggctgc tgggcgcctg ctccccggtc aggctggcc
t     1740
cgcccttctt ggggtcgcag tccgccacc cagtgtgca ggctcagggg ggcttggga
g     1800
gagctgttct gctccctgtc agcttccagg agggacggcg ggcgtcggac acctcactg
a     1860
ctcaagggct gaaggccttt cggcagcagc tgaggaagac cacgcggacc aaagggttt
c     1920
tgggactgaa caaatcaag gggctggctc gccagggtgt ccaggctcct gccagccgg

```

```

g      1980
ccagcagggg cggcctgagc cccttccacg cccctgcaca gagcccaggg ctgcacggc
g      2040
gcgcagccgg cagccgggag ggctggagcc tgctggagga ggtgctagag cagcagagg
c      2100
tgctccagtt acagcaccac ccggccgctg caccgggctg ctcccaggcc cccagccg
g      2160
cccctgcccc gtttgtgatc gccccctgtg atggccctgg ggctgccccg ctccccagc
a      2220
ccctcctcac gtcggggctc ccgctgctgc cgccccact cctgcagacc ggcgcgtcc
c      2280
cgggtggcctc agcggcgcag ctctggaca cacacctgca cattggcacc ggccccacc
g      2340
ccctccccgc tgtgccccca ccacgcctgg ccaggctggc cccaggttgt gagcccctg
g      2400
ggctgctgca gggggactgt gagatggagg acctgatgcc ctgctcccta ggcacgttt
g      2460
tcctggtgca gtgagggcag ccctgcatcc tggcacggac actgactctt acagcaata
a      2520
cttcagagga ggtgaagaca tctggcctca aagccaagaa ctttctagaa gcgaaataa
g      2580
caatacgtta ggtgttttgg cgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa
2632

```

```

<212> Type : DNA
<211> Length : 2632
      SequenceName : SEQ ID NO: 4
      SequenceDescription :

```

## Sequence

```

-----
<213> OrganismName : Homo sapiens
<400> PreSequenceString :
tgagcaggcg ctgggtatca tgcag
25
<212> Type : DNA
<211> Length : 25
      SequenceName : SEQ ID NO: 5
      SequenceDescription :

```

## Sequence

```

-----
<213> OrganismName : Homo sapiens
<400> PreSequenceString :
tcaccgggaa caagaagggc cacct
25
<212> Type : DNA
<211> Length : 25
      SequenceName : SEQ ID NO: 6
      SequenceDescription :

```